O4/18/2005 WRBJELR3 00000028 07841/5/ 01 FC:1501 1400.00 0P April 1/3, 2005 (Signature April 1/3, 2005) April 1/3, 2005 (Date Operation No. Confirmation No. O9/841,757 04/24/2001 Christopher J. Plummer SUN1P804/P5255 6412 TITLE OF INVENTION: METHOD AND APPARATUS FOR ELIMINATING C RECURSION FROM A JAVA TM BYTECODE INTERPRETER APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 05/09/2005 EXAMINER ART UNIT CLASS-SUBCLASS RUTTEN, JAMES D 2122 717-118000 C. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 3 registered patent attorneys or agent) and the names of up to 5 registered attorney or agent) and the names of up to 5 registered attorn	APR 1 5 7			or <u>Fax</u>	Commissioner f P.O. Box 1450 Alexandria, Vir (703) 746-4000	or Patents ginia 22313-1450	hould be completed where
Post Note Post	ppropriate. All further condicated unless Corrected naintenance fee notification	respondence including the I blow or directed otherwise is.	Patent, advance or in Block 1, by (a	ders and notificat) specifying a new	ion of maintenance fees w correspondence address	will be mailed to the current s; and/or (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
P.O. BOX 70250 SARPLEAS 00000028 09841757 Sales for 11 50250 Sales for 13 50250 Sal			any change of address)		papers. Each addition	nal paper, such as an assignme	or domestic mailings of the for any other accompanying ent or formal drawing, must
04/18/2005 WARDELR3 00000028 09841757 01 FC:1504 02 FC:1504 03 00.00 0P 03 FC:1504 03 00.00 0P 03 FC:1504 03 00.00 0P 04 FC:1504 03 FC:1504 03 00.00 0P 05 FC:1504 03 FC:1504 03 00.00 0P 07 FC:1504 03 FC:1504 03 00.00 0P 09/841,757 04/24/2001 Christopher J. Plummer SUN1P804/P5255 6412 TITLE OF INVENTION: METHOD AND APPARATUS FOR ELIMINATING C RECURSION FROM A JAVA TM BYTECODE INTERFRETER APPLN TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE 0nonprovisional NO S1400 S1400 S1400 S100 S1700 O5/99/2005 EXAMINER ART UNIT CLASS-SUBCLASS RUTTEN, JAMES D 2122 717-11800 Change of correspondence address or indication of "Fee Address" (37 Clamps of Correspondence Address or indication of "Fee Address" (37 Clamps of Correspondence Address from PTO/SH1/22) attached. 1 Fee Address "Indication for "Fee Address" (37 Clamps of Correspondence Address from PTO/SH1/32) attached. 2 Fee Address "Indication for "Fee Address" (37 Clamps of Correspondence Address from PTO/SH1/32) attached. 3 Fee Address "Indication for "Fee Address" (37 Clamps of Correspondence Address from PTO/SH1/32) attached. 4 Fee Address "Indication for "Fee Address "Indication form PTO/SH1/32) attached. 4 Fee Address "Indication for "Fee Address "Indication form PTO/SH1/347; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 4 SASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATIENT (print or type) PLASE NOTE: Ludess an assigne is identified below, no assignme edata will appear on the patent. If an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Sun Microsystems, Inc. Santa Clara, CA Pease check the appropriate assignee category or categories (will not be printed on the patent): Individual **DI Corporation or other private group entity Indication of the fee(s) is enclosed. Phyment by credit card, Form FTO-2038 is attached. Phyment by credit card, Form FTO-2038 is attached. Phyment by credit card, Form FTO-2038 is attached. Phyment by credit card, Form FTO-2038 is	P.O. BOX 70250				I hereby certify that States Postal Service addressed to the Ma transmitted to the US	ertificate of Mailing or Trans this Fee(s) Transmittal is being with sufficient postage for fir ail Stop ISSUE FEE address PTO (703) 746-4000, on the d	mission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
1 100,000 10 100,000 10 100,000 10 1	04/18/2005 WABD	ELR3 00000028 09841757			•		(Depositor's name)
APPLATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.					Hau	na Chiloan	(Signature)
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/841,757	02 FC:1504	300	.00 OP		April 1/3, 2	2005	(Date)
APPLN.TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 05/09/2005 EXAMINER ART UNIT CLASS-SUBCLASS RUTTEN JAMES D 2122 717-118000 Change of correspondence address or indication of "Fee Address" (37 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address or indication form pto/SB/122 (attached. Change of correspondence address (or Change of Correspondence Address for the David Pto/SB/122) attached. Change of correspondence address (or Change of Correspondence Address for the David Pto/SB/122) attached. Change of correspondence address (or Change of Correspondence Address for the David Pto/SB/122) attached. Change of Correspondence address for the Correspondence address for the David Pto/SB/122 (attached. Change of Correspondence address or indication form pto/SB/122 (attached. Change of Correspondence address for the				FIRST NAMED IN	VENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLN. TYPE SMALL ENTITY ISSUE FEE PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1400 \$300 \$1700 05/09/2005 EXAMINER ART UNIT CLASS-SUBCLASS RUTTEN, JAMES D 2122 717-118000 Change of correspondence address or indication of "Fee Address" (37 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form) attached. Use of a Customer PTO/SB/1422 attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address or indication form pTO/SB/1422 (attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address (or Change of Correspondence Address form) attached. Change of correspondence address (or Change of Correspondence Address for CFR 1.1. Completion of the Change of Correspondence Address (or Change in Change of Correspondence Address form) of Correspondence Address for CFR 1.1. Completion of the Change of Correspondence Address for CFR 1.2. Change in Endity Status (from status indicated above) Applicant claims SMALL ENTIT	09/841.757	09/841,757 04/24/2001 Christoph			lummer	SUN1P804/P5255	6412
nonprovisional NO \$1400 \$300 \$1700 05/09/2005 EXAMINER ART UNIT CLASS-SUBCLASS RUTTEN, JAMES D 2122 717-118000 Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB/1/22) attached. The Address from PTO/SB/1/22 attached. The Address from PTO/SB/1/22 attached. The Address indication for "Fee Address" Indication form PTO/SB/1/22 attached. The Address indication for "Fee Address" Indication form PTO/SB/1/22 attached. The Address from PTO/SB/1/22 attached. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agents. If no name is registered attorney or agents. If no name is a registered attorney or agents. If no name is a registered attorney or agents. If no name is a registered attorney or agents. If no name is a substitute for filing an assignment. The Director is the Address from PTO/SB/1/22 attached. The Address from PTO/SB/1/22	, APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
EXAMINER	nonprovisional		\$1400)	\$300	\$1700	05/09/2005
RUTTEN, JAMES D 2122 717-118000 Change of correspondence address or indication of "Fee Address" (37 EFR 1.363) Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. (1) the names of up to 3 registered patent attorneys or agents (1) the names of up to 3 registered patent attorneys or agents (1) the names of up to 2 registered patent attorneys or agents (1) the names of up to 2 registered patent attorneys or agents (1) the names of up to 2 registered patent attorney or agent) and the names of up to 2 registered patent attorney or agents. If no name is 1 listed, no name will be printed. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Sun Microsystems, Inc. Santa Clara, CA Please check the appropriate assignee category or categories (will not be printed on the patent): Individual XI Corporation or other private group entity Government and the following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge theoretains fee(s), or credit any overpayment, Deposit Account Number 50-0388 in the private feet of the application identified above. Change in Entity Status (from status indicated above) A Applicant claims SMALL ENTITY status. See 37 CFR 1.27. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the a					ר ר		
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address from PTO/SB1/22) attached. The Address from PTO/SB1/22 attached. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered patent attorneys or agents. If no name is listed, no name will be printed. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attent attorneys or agents. If no name is listed, no name will be printed. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attent attorneys or agents. If no name is listed, no name will be printed. The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attent attorneys or agents. If n						_}	
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Sun Microsystems, Inc. Santa Clara, CA Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Ticropration or other private group entity Government of Fee(s): Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies Advance Order - # of Copies The Director is hereby authorized by charge the creating and interest as shown by the records of the USPTO is requested to apply the Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.	CFR 1.363). Change of correspond Address form PTO/SB/1 "Fee Address" indication PTO/SB/47; Rev 03-02	dence address (or Change of 022) attached.	Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is			
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Sun Microsystems, Inc. Santa Clara, CA Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government a. The following fee(s) are enclosed: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies 3	. ASSIGNEE NAME ANI	RESIDENCE DATA TO B	E PRINTED ON T	L THE PATENT (pr	int or type)		
Sun Microsystems, Inc. Santa Clara, CA lease check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government a. The following fee(s) are enclosed: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies Advance Order - # of Copies Change in Entity Status (from status indicated above) A Applicant claims SMALL ENTITY status. See 37 CFR 1.27. A Applicant claims SMALL ENTITY status. See 37 CFR 1.27. A De Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. Office.	PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 137 CFR 3.11. Completion	elow, no assignee of this form is NO	data will appear of T a substitute for f	on the patent. If an assig	gnee is identified below, the d	document has been filed for
lease check the appropriate assignee category or categories (will not be printed on the patent): a. The following fee(s) are enclosed: Solution Solu							
a. The following fee(s) are enclosed: Solution Sol	Sun Micros	ystems, Inc.		Santa Cl	ara, CA		
a. The following fee(s) are enclosed: Solution Status Statu	lease check the appropriate	e assignee category or catego	ries (will not be pr	inted on the paten	t): 🗖 Individual 🛱 (Corporation or other private gr	oup entity Government
Publication Fee (No small entity discount permitted) Advance Order - # of Copies3	a. The following fee(s) are	enclosed:	46	. Payment of Fee	(s):		
Advance Order - # of Copies 3 The Director is hereby authorized by charge the recommendate fee(s), or credit any overpayment, Deposit Account Number 50=0388 (enclose an extra copy of this form). Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. IOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.	==						
Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). the Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. IOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.	<u> </u>	· -	ed)	Payment by c	redit card. Form PTO-203	38 is attached. additiona	.1
Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). the Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. IOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.	Advance Order - # o	Copies 3		Deposit Account	Number 50-0388	charge the technical fee(s), or (enclose an extra c	copy of this form).
		•	•				
Authorized Signature DateApril 13, 2005	he Director of the USPTO	is requested to apply the Issu ublication Fee (if required) v	ue Fee and Publica vill not be accepted ent and Trademark	tion Fee (if any) of from anyone oth	r to re-apply any previou er than the applicant; a re	sly paid issue fee to the application gistered attorney or agent; or t	ation identified above. he assignee or other party in
ullet	NOTE: The Issue Fee and Fee the recent as shown by the rec	ords of the Office Chiles I at					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Typed or printed name Alan S. Hodes Registration No. 38,185		(h)	17				

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.